

## Industrial BLDC Motor Drive Interface Module

### DESCRIPTION

BLDC can be replaced with existing motors such as induction motor, DC motors. BLDC provide much more efficiency (up to 75 – 80%) comparing other motors. Our BLDC driver can able to drive motors on a wide range of voltage from 24 – 450 VDC, and speed control of the motor can be controlled very easy and linear from a HMI or can be wireless.

### SPECIFICATIONS

#### Interface Support:

HMI - RS 485, RS232 and Wireless

#### Power Supply:

Voltage : 24- 450 VDC

Power Max : 1500 Watts ( Depends upon requirement can increase )

#### Communication:

Wired Communications - RS485, RS232, Ethernet.

Wireless Communications - WiFi, GPRS.

Wireless Protocol Support - MQTT, HTTP.

#### Protection features:

Over voltage and under voltage protection.

Over current protection.

Commutation error.

Lock rotor protection.

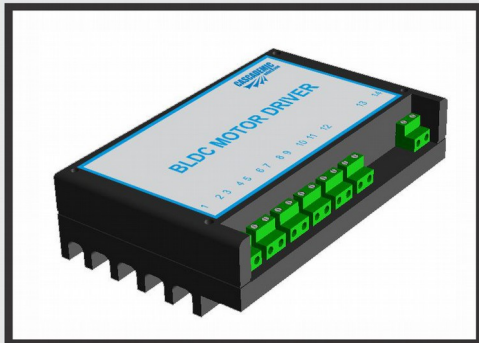
#### Physical Parameters:

Operating temperature - 0 to 85 degree Celsius

Storage temperature - 0 to 85 degree Celsius

#### Enclosure:

Grade : Sheet Metal with high quality Heat sink.



### KEY HIGHLIGHTS

1. High Power
2. HMI Compatible
3. Less Heat dissipated

## OUR OTHER PRODUCTS

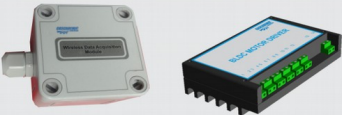
### Thermal Printer & Driver Cards



### Metering Adapter & Gateway



### Data Logger & Motor Driver



### Wireless Access Control & Battery Monitoring



### IoT , Interface & Controller Modules



## OPTIONAL FEATURE

1. User interface for the solution
2. HMI Compatible
3. RS 485, Ethernet
4. Wireless module

## APPLICATIONS

1. CNC machine Application
2. Air Compressors and pumps
3. Fans, air conditioners, and other kitchen appliances.
4. Hand power tools
5. Automotive HVAC (Heating Venting and Air-Conditioning )
6. Power steering, windshield wiper motors and more.

## CASCADEMIC Solutions Pvt. Ltd.

With IoT and M2M being the core of development in the modern embedded era, we at CASCADEMIC develop Industrial solutions in SCADA, M2M & Growing IIoT

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